Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/03/2018 11:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123597	-2	1.63	123534	1.62
Blue	F	SSC	125000	123818	-1	2.73	124263	2.63
Blue	E	FITC	23615	23004	-3	2.65	1025	10.97
Blue	D	PE	26739	26315	-2	2.20	946	10.62
Blue	B	PerCP-Cy5-5	48339	47630	-2	3.62	1372	18.38
Blue	A	PE-Cy7	45021	44672	-1	5.39	689	38.74
Red	C	APC	53064	51709	-3	2.72	2972	9.81
Red	A	APC-Cy7	57175	56628	-1	2.72	1174	11.52
Violet	B	V450	14728	14114	-5	4.31	677	9.33
Violet	A	V500	58621	56978	-3	4.07	2521	6.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19772	2.81	615	1	N/A	N/A	Pass
Blue	F	SSC	61129	1.73	562	16	N/A	N/A	Pass
Blue	E	FITC	116	39.65	554	6	0.0178	102	Pass
Blue	D	PE	207	31.01	544	8	0.1344	229	Pass
Blue	B	PerCP-Cy5-5	215	48.49	645	10	0.0084	82	Pass
Blue	A	PE-Cy7	71	134.27	704	11	0.0100	17	Pass
Red	C	APC	336	29.34	601	4	0.0186	66	Pass
Red	A	APC-Cy7	128	41.78	586	6	0.0051	1620	Pass
Violet	B	V450	82	44.31	466	-4	0.0453	2172	Pass
Violet	A	V500	184	22.81	493	-4	0.0138	335	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.31	-30.82	0.95
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.36
Red	16.50	14.40 - 21.60	N/A	N/A	30.70	31.17	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10362

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments